



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**REGION IX**

**75 Hawthorne Street**

**San Francisco, CA 94105-3901**

**OCT 30 2017**

Dr. Matt Miyasato, Deputy Executive Officer  
Science and Technology Advancement  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, California 91765-4178

Dear Dr. Miyasato:

Thank you for your submission of the South Coast Air Quality Management District's (SCAQMD) *2017 Annual Air Quality Monitoring Network Plan* on June 30, 2017. We have reviewed the submitted document based on the requirements set forth under 40 CFR 58. Based on the information provided in the plan, the U.S. Environmental Protection Agency (EPA) approves all portions of the network plan except those specifically identified below.

Please note that we cannot approve portions of the annual network plan for which the information in the plan is insufficient to judge whether the requirement has been met, or for which the information, as described, does not meet the requirements as specified in 40 CFR 58.10 and the associated appendices. EPA Region 9 also cannot approve portions of the plan for which the EPA Administrator has not delegated approval authority to the regional offices. Accordingly, the first enclosure (*A. Annual Monitoring Network Plan Items where EPA is Not Taking Action*) provides a listing of specific items of your agency's annual monitoring network plan where EPA is not taking action. The second enclosure (*B. Additional Items Requiring Attention*) is a listing of additional items in the plan that EPA wishes to bring to your agency's attention. The third enclosure (*C. Annual Monitoring Network Plan Checklist*) is the checklist EPA used to review your plan for overall items that are required to be included in the annual network plan along with our assessment of whether the plan submitted by your agency addresses those requirements.

The first two enclosures highlight a subset of the more extensive list of items reviewed in the third. All comments conveyed via this letter (and enclosures) should be addressed (through corrections within the plan, additional information being included, or discussion) in next year's annual monitoring network plan.

If you have any questions regarding this letter or the enclosed comments, please feel free to contact me at (415) 947-4134 or Michael Flagg (415) 972-3372.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Gwen Yoshimura', followed by a long horizontal flourish.

Gwen Yoshimura, Manager  
Air Quality Analysis Office

Enclosures:

- A. Annual Monitoring Network Plan Items where EPA is Not Taking Action
- B. Additional Items Requiring Attention
- C. Annual Monitoring Network Plan Checklist

cc (via email): Jason Low, SCAQMD  
Andrea Polidori, SCAQMD  
Rene Bermudez, SCAQMD  
Gayle Sweigert, CARB  
Sunghoon Yoon, CARB  
Ranjit Bhullar, CARB

## A. Annual Monitoring Network Plan Items where EPA is Not Taking Action

We are not acting on the portions of annual network plans where either EPA Region 9 lacks the authority to approve specific items of the plan, or EPA has determined that a requirement is either not met or information in the plan is insufficient to judge whether the requirement has been met.

- EPA identified items in your agency's annual monitoring network plan where a requirement was not being met or information in the plan was insufficient to judge whether the requirement was being met based on 40 CFR 58.10 and the associated appendices. Therefore, we are not acting on the following items:

Item	Checklist Row	Issue
Identification of any PM <sub>2.5</sub> FEMs and/or ARMs not eligible to be compared to the NAAQS due to poor comparability to FRM(s)	16	Insufficient information to judge
FRM/FEM/ARM PM <sub>2.5</sub> QA collocation	19	Insufficient information to judge
Dates of two semi-annual flow rate audits conducted in CY2016 for PM <sub>10</sub> monitors	33	Not meeting requirement in one instance
Scale of representativeness	69	Not meeting requirement in one instance
Parameter code	70	Insufficient information to judge
Method code	71	Insufficient information to judge
Distance from nearest road	73	Not meeting requirement in one instance
Distance from supporting structure	77	Not meeting requirement in some instances
Distance from trees	79	Not meeting requirement in some instances

Additional information for each of these items may be found for the row listed in column 2, in the third enclosure (*C. Annual Monitoring Network Plan Checklist*).



## **B. Additional Items Requiring Attention**

- [Item 4] Appendix D was not submitted with the 2017 ANP; please work with EPA to address outstanding system modifications.
- [Item 18] Since the continuous monitors operated by SCAQMD are either non-regulatory (non-FEM) or have been granted a FEM waiver under 58.10 (b)(13), design values from the FRM network should be used in Table 11, consistent with the values in Table 10. Please update for next year's plan.
- [Item 26] In next year's plan, please include the most recent data year (e.g. the 2018 plan should reference data from 2015-2017) and provide the design values for each monitoring site and the "required" sampling frequency as defined by 58.12. If data from the most recent data year is not available for inclusion in the plan, please explain why the information provided is the most up to date available for inclusion.
- [Item 29] In next year's plan, please include all data in the "max concentration" column in Table 13. Data from exceptional events should be included when assessing minimum monitoring requirements.
- [Item 30] In next year's plan, please include the most recent data year (e.g. the 2018 plan should reference data from 2015-2017). If data from the most recent data year is not available for inclusion in the plan, please explain why the information provided is the most up to date available for inclusion.
- [Item 31] In next year's plan, please include the most recent data year (e.g. the 2018 plan should reference data from 2015-2017) and provide the design values for each monitoring site and the "required" sampling frequency as defined by 58.12. If data from the most recent data year is not available for inclusion in the plan, please explain why the information provided is the most up to date available for inclusion.
- [Item 59] Please update next year's plan with the most recent population estimates.
- [Item 77] EPA recommends PM<sub>10</sub> monitors also have distances to supporting structures >1.8 m and notes the following: Fontana POC 2 (1.5 m), Palm Springs POC 3 (1.7 m), San Bernardino POC 2 (1.0 m), POC 3 (1.4 m), Santa Clarita POC 1 (1.4 m).



## C. ANNUAL MONITORING NETWORK PLAN CHECKLIST

(Updated February 9, 2017)

Year: 2017

Agency: South Coast Air Quality Management District (SCAQMD)

40 CFR 58.10(a)(1) requires that each Annual Network Plan (ANP) shall provide for the documentation of the establishment and maintenance of an air quality surveillance system that consists of a network of SLAMS monitoring stations that can include FRM, FEM, and ARM monitors that are part of SLAMS, NCore, CSN, PAMS, and SPM stations.

40 CFR 58.10(a)(1) further directs that, "The plan shall include a statement of whether the operation of each monitor meets the requirements of appendices A, B, C, D, and E of this part, where applicable. The Regional Administrator may require additional information in support of this statement." On this basis, review of the ANPs is based on the requirements listed in 58.10 along with those in Appendices A, C, D, and E.

EPA Region 9 will not take action to approve or disapprove any item for which Part 58 grants approval authority to the Administrator rather than the Regional Administrators, but we will do a check to see if the required information is included and correct. The items requiring approval by the Administrator are: PAMS, NCore, and Speciation (STN/CSN).

Please note that this checklist summarizes many of the requirements of 40 CFR Part 58, but does not substitute for those requirements, nor do its contents provide a binding determination of compliance with those requirements. The checklist is subject to revision in the future and we welcome comments on its contents and structure.

Key:

White	meets the requirement
Yellow	requirement is not met, or information is insufficient to make a determination. Action requested in next year's plan or outside the ANP process (items listed in Enclosure A).
Green	item requires attention in order to improve next year's plan (items listed in Enclosure B).

	ANP requirement	Citation within 40 CFR 58 <sup>1</sup>	Was the information submitted? <sup>2</sup> If yes, page #s.	Does the information provided <sup>3</sup> meet the requirement? <sup>4</sup>	Notes
<b>GENERAL PLAN REQUIREMENTS</b>					
1.	Submit plan by July 1 <sup>st</sup>	58.10 (a)(1)	Y	Y	
2.	30-day public comment / inspection period	58.10 (a)(1); 58.10 (c)	Y, p. 2	Y	
3.	Statement of whether the operation of each monitor meets the requirements of appendices A, B, C, D, and E, where applicable	58.10 (a)(1)	Y, p. 2	Y	
4.	Modifications to SLAMS network – case when we are not approving system modifications	58.10 (a)(2); 58.10 (b)(5); 58.10 (e); 58.14	N/A	N/A	Appendix D was not submitted with the 2017 ANP; please work with EPA to address outstanding system modifications.
5.	Modifications to SLAMS network – case when we are approving system modifications per 58.14	58.10 (a)(2); 58.10 (b)(5); 58.10 (e); 58.14	N/A	N/A	
6.	Does plan include documentation (e.g., attached approval letter) for system modifications that have been approved since last ANP approval?		N/A	N/A	
7.	Any proposals to remove or move a monitoring station within a period of 18 months following plan submittal	58.10 (b)(5)	Y, p. 22-24		
8.	Precision/Accuracy reports submitted to AQS	58.16 (a)	Y, p. 31	Y	
9.	Annual data certification submitted	58.15	Y, p. 31	Y	

<sup>1</sup> Unless otherwise noted.

<sup>2</sup> Response options: NA (Not Applicable), Yes, No, or Incomplete.

<sup>3</sup> Assuming the information is correct.

<sup>4</sup> Response options: NA (Not Applicable) – [reason], Yes, No, Insufficient to Judge, or Incorrect



	<b>ANP requirement</b>	<b>Citation within 40 CFR 58<sup>1</sup></b>	<b>Was the information submitted?<sup>2</sup> If yes, page #s.</b>	<b>Does the information provided<sup>3</sup> meet the requirement?<sup>4</sup></b>	<b>Notes</b>
10.	Statement that SPMs operating an FRM/FEM/ARM that meet Appendix E also meet either Appendix A or an approved alternative. Documentation for any Appendix A approved alternative should be included. <sup>5</sup>	58.11 (a)(2)	N/A	N/A	
11.	SPMs operating FRM/FEM/ARM monitors for over 24 months are listed as comparable to the NAAQS or the agency provided documentation that requirements from Appendices A, C, or E were not met. <sup>6</sup>	58.20 (c)	N/A	N/A	
12.	For agencies that share monitoring responsibilities in an MSA/CSA: this agency meets full monitoring requirements or an agreement between the affected agencies and the EPA Regional Administrator is in place	App D 2(e)	N/A	N/A	

#### **GENERAL PARTICULATE MONITORING REQUIREMENTS (PM<sub>10</sub>, PM<sub>2.5</sub>, Pb-TSP, Pb-PM<sub>10</sub>)**

13.	Designation of a primary monitor if there is more than one monitor for a pollutant at a site.	App. A 3.2.3	Y, Appendix B	Y	
14.	Distance between QA collocated monitors. For low volume PM instruments (flow rate < 200 liters/minute) > 1 m. For high volume PM instruments (flow rate > 200 liters/minute) > 2m. [Note: waiver request or the date of previous waiver approval must be included if the distance deviates from requirement.]	App. A 3.2.3.4 (c) and 3.3.4.2 (c)	Y, Appendix B	Y	

#### **PM<sub>2.5</sub> –SPECIFIC MONITORING REQUIREMENTS**

15.	Document how states and local agencies provide for the review of changes to a PM <sub>2.5</sub> monitoring network that impact the location of a violating PM <sub>2.5</sub> monitor.	58.10 (c)	Y, p. 16	Y	
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<sup>5</sup> Alternatives to the requirements of appendix A may be approved for an SPM site as part of the approval of the annual monitoring plan, or separately.

<sup>6</sup> This requirement only applies to monitors that are eligible for comparison to the NAAQS per 40 CFR §§58.11(e) and 58.30.



	<b>ANP requirement</b>	<b>Citation within 40 CFR 58<sup>1</sup></b>	<b>Was the information submitted?<sup>2</sup> If yes, page #s.</b>	<b>Does the information provided<sup>3</sup> meet the requirement?<sup>4</sup></b>	<b>Notes</b>
16.	Identification of any PM <sub>2.5</sub> FEMs and/or ARMs not eligible to be compared to the NAAQS due to poor comparability to FRM(s) [Note 1: must include required data assessment.] [Note 2: Required SLAMS must monitor PM <sub>2.5</sub> with <u>NAAQS-comparable</u> monitor at the required sample frequency.]	58.10 (b)(13) 58.11 (e)	Y, Appendix C	Insufficient info	The analysis in Appendix C does not include an evaluation of the most recent data from 2014-2016.
17.	Minimum # of monitoring sites for PM <sub>2.5</sub> [Note 1: should be supported by MSA ID, MSA population, DV, # monitoring sites, and # required monitoring sites] [Note 2: Only monitors considered to be required SLAMs are eligible to be counted towards meeting minimum monitoring requirements.]	App. D 4.7.1(a) and Table D-5	Y, p. 25	Y	
18.	Requirements for continuous PM <sub>2.5</sub> monitoring (number of monitors and collocation)	App. D 4.7.2	Y, p.26	Y	Since the continuous monitors operated by SCAQMD are either non-regulatory (non-FEM) or have been granted a FEM wavier under 58.10 (b)(13), design values from the FRM network should be used in Table 11, consistent with the values in Table 10. Please update for next year's plan.
19.	FRM/FEM/ARM PM <sub>2.5</sub> QA collocation	App. A 3.2.3	Y, p. 30	Insufficient info	Table 21 does not include collocation requirements for Thermo 2025i samplers (method code 145) that are deployed throughout the PM <sub>2.5</sub> network.
20.	PM <sub>2.5</sub> Chemical Speciation requirements for official STN sites	App. D 4.7.4	Y, p.26	Y	
21.	Identification of sites suitable and sites not suitable for comparison to the annual PM <sub>2.5</sub> NAAQS as described in Part 58.30	58.10 (b)(7)	Y, p. 17; Appendix B	Y	
22.	Required PM <sub>2.5</sub> sites represent area-wide air quality	App. D 4.7.1(b)	Y, p. 6; Appendix B	Y	
23.	For PM <sub>2.5</sub> , within each MSA, at least one site at neighborhood or larger scale in an area of expected maximum concentration	App. D 4.7.1(b)(1)	Y, p. 6; Appendix B	Y	
24.	If additional SLAMS PM <sub>2.5</sub> is required, there is a site in an area of poor air quality	App. D 4.7.1(b)(3)	Y, p. 16-17	Y	
25.	States must have at least one PM <sub>2.5</sub> regional background and one PM <sub>2.5</sub> regional transport site.	App. D 4.7.3	N/A	N/A	



	ANP requirement	Citation within 40 CFR 58 <sup>1</sup>	Was the information submitted? <sup>2</sup> If yes, page #s.	Does the information provided <sup>3</sup> meet the requirement? <sup>4</sup>	Notes
26.	Sampling schedule for PM <sub>2.5</sub> - applies to year-round and seasonal sampling schedules (note: date of waiver approval must be included if the sampling season deviates from requirement)	58.10 (b)(4); 58.12(d); App. D 4.7	Y, p.18	Y	In next year's plan, please include the most recent data year (e.g. the 2018 plan should reference data from 2015-2017) and provide the design values for each monitoring site and the "required" sampling frequency as defined by 58.12. If data from the most recent data year is not available for inclusion in the plan, please explain why the information provided is the most up to date available for inclusion
27.	Frequency of flow rate verification for automated and manual PM <sub>2.5</sub> monitors	App. A 3.2.1	Y, Appendix B	Y	
28.	Dates of two semi-annual flow rate audits conducted in <b>CY2016</b> for PM <sub>2.5</sub> monitors [Note: 5 -7 month interval is recommended but not a requirement.]	App. A 3.2.2	Y, Appendix B	Y	

#### PM<sub>10</sub> -SPECIFIC MONITORING REQUIREMENTS

29.	Minimum # of monitoring sites for PM <sub>10</sub> [Note: Only monitors considered to be required SLAMs are eligible to be counted towards meeting minimum monitoring requirements.]	App. D, 4.6 (a) and Table D-4	Y, p. 27	Y	In next year's plan, please include all data in the "max concentration" column in Table 13. Data from exceptional events should be included when assessing minimum monitoring requirements.
30.	Manual PM <sub>10</sub> method collocation (note: continuous PM <sub>10</sub> does not have this requirement)	App. A 3.3.4	Y, p. 30	Y	In next year's plan, please include the most recent data year (e.g. the 2018 plan should reference data from 2015-2017). If data from the most recent data year is not available for inclusion in the plan, please explain why the information provided is the most up to date available for inclusion
31.	Sampling schedule for PM <sub>10</sub>	58.10 (b)(4); 58.12(e); App. D 4.6	Y, p. 9-10	Y	In next year's plan, please include the most recent data year (e.g. the 2018 plan should reference data from 2015-2017) and provide the design values for each monitoring site and the "required" sampling frequency as defined by 58.12. If data from the most recent data year is not available for inclusion in the plan, please explain why the information provided is the most up to date available for inclusion



	<b>ANP requirement</b>	<b>Citation within 40 CFR 58<sup>1</sup></b>	<b>Was the information submitted?<sup>2</sup> If yes, page #s.</b>	<b>Does the information provided<sup>3</sup> meet the requirement?<sup>4</sup></b>	<b>Notes</b>
32.	Frequency of flow rate verification for automated and manual PM <sub>10</sub> monitors	App. A 3.3.1 and 3.3.2	Y, Appendix B	Y	
33.	Dates of two semi-annual flow rate audits conducted in <b>CY2016</b> for PM <sub>10</sub> monitors [Note: 5 -7 month interval is recommended but not a requirement.]	App. A 3.3.3	Y, Appendix B	N, one instance	Dates for CY2016 for PM10 POC 1 at Saul Martinez were not provided.

#### **Pb –SPECIFIC MONITORING REQUIREMENTS**

34.	Minimum # of monitors for non-NCore Pb [Note: Only monitors considered to be required SLAMs are eligible to be counted towards meeting minimum monitoring requirements.]	App D 4.5	Y, p. 30	Y	
35.	Pb collocation: for non-NCore sites	App A 3.4.4 and 3.4.5	Y, p. 30	Y	
36.	Any source-oriented Pb site for which a waiver has been granted by EPA Regional Administrator	58.10 (b)(10)	N/A	N/A	
37.	Any Pb monitor for which a waiver has been requested or granted by EPA Regional Administrator for use of Pb-PM <sub>10</sub> in lieu of Pb-TSP	58.10 (b)(11)	N/A	N/A	
38.	Designation of any Pb monitors as either source-oriented or non-source-oriented	58.10 (b)(9)	Y, p. 6	Y	
39.	Sampling schedule for Pb	58.10 (b)(4); 58.12(b); App A 3.4.4.2 (c) and 3.4.5.3 (c)	Y, Appendix B	Y	
40.	Frequency of flow rate verification for Pb monitors audit	App A 3.4.1 and 3.4.2	Y, Appendix B	Y	
41.	Dates of two semi-annual flow rate audits conducted in <b>CY2016</b> for Pb monitors [Note: 5 -7 month interval is recommended but not a requirement.]	App A 3.4.3	Y, Appendix B	Y	

#### **GENERAL GASEOUS MONITORING REQUIREMENTS**



	ANP requirement	Citation within 40 CFR 58 <sup>1</sup>	Was the information submitted? <sup>2</sup> If yes, page #s.	Does the information provided <sup>3</sup> meet the requirement? <sup>4</sup>	Notes
42.	Frequency of one-point QC check (gaseous)	App. A 3.1.1	Y, Appendix B	Y	
43.	Date of Annual Performance Evaluation (gaseous) conducted in <b>CY2016</b>	App. A 3.1.2	Y, Appendix B	Y	

#### O<sub>3</sub> –SPECIFIC MONITORING REQUIREMENTS

44.	Minimum # of monitoring sites for O <sub>3</sub> [Note 1: should be supported by MSA ID, MSA population, DV, # monitoring sites, and # required monitoring sites] [Note 2: Only monitors considered to be required SLAMs are eligible to be counted towards meeting minimum monitoring requirements.] [Note 3: monitors that do not meet traffic count/distance requirements to be neighborhood or urban scale (40 CFR Appendix E, Table E-1) cannot be counted towards meeting minimum monitoring requirements]	App D 4.1(a) and Table D-2	Y, p.25	Y	
45.	Identification of maximum concentration O <sub>3</sub> site(s)	App D 4.1 (b)	Y, p. 6	Y	
46.	Sampling season for O <sub>3</sub> (Note: Waivers must be renewed annually. EPA expects agencies to submit re-evaluations of the relevant data each year with the ANP. EPA will then respond as part of the ANP response.)	58.10 (b)(4); App D 4.1(i)	Y, Appendix B	Y	

#### NO<sub>2</sub> –SPECIFIC MONITORING REQUIREMENTS

47.	Minimum monitoring requirements for area-wide NO <sub>2</sub> monitor in location of expected highest NO <sub>2</sub> concentrations representing neighborhood or larger scale (operation required by 1/1/13)	App D 4.3.3	Y, p. 27	Y	
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	ANP requirement	Citation within 40 CFR 58 <sup>1</sup>	Was the information submitted? <sup>2</sup> If yes, page #s.	Does the information provided <sup>3</sup> meet the requirement? <sup>4</sup>	Notes
48.	Minimum monitoring requirements for susceptible and vulnerable populations monitoring (aka RA40) NO <sub>2</sub> (operation required by January 1, 2013)	App D 4.3.4	Y, p. 11	Y	
49.	Identification of required NO <sub>2</sub> monitors as either near-road, area-wide, or vulnerable and susceptible population (aka RA40)	58.10 (b)(12)	Y, Appendix B	Y	

#### NEAR ROADWAY – SPECIFIC MONITORING REQUIREMENTS

In CBSAs  $\geq 2.5$  million, the following near-roadway minimum monitoring requirements apply:

50.	Two NO <sub>2</sub> monitors	App. D 4.3.2(a); 58.13(c)(3) and (4)	Y, p.10-11 Appendix B	Y	
51.	One CO monitor	App. D 4.2.1(a); 58.13(e)(2)	Y, p.10-11 Appendix B	Y	
52.	One PM <sub>2.5</sub> monitor	App. D 4.7.1(b)(2); 58.13(f)(2)	Y, p.10-11 Appendix B	Y	

In CBSAs  $\geq 1$  million and AADT  $\geq 250K$ , the following near-roadway minimum monitoring requirements apply:

53.	Two NO <sub>2</sub> monitors	App. D 4.3.2(a); 58.13(c)(3) and (4)	Y, p.10-11 Appendix B	Y	
54.	One CO monitor (by 1/1/2017)	App. D 4.2.1(a); 58.13(e)(2)	Y, p.10-11 Appendix B	Y	
55.	One PM <sub>2.5</sub> monitor (by 1/1/2017)	App. D 4.7.1(b)(2); 58.13(f)(2)	Y, p.10-11 Appendix B	Y	



	ANP requirement	Citation within 40 CFR 58 <sup>1</sup>	Was the information submitted? <sup>2</sup> If yes, page #s.	Does the information provided <sup>3</sup> meet the requirement? <sup>4</sup>	Notes
In CBSAs $\geq 1$ million and $\leq 2.5$ million AND AADT $< 250K$ , the following near-roadway minimum monitoring requirements apply:					
56.	One NO <sub>2</sub> monitors	App. D 4.3.2(a); 58.13(c)(3)	NA	NA	
57.	One CO monitor (by 1/1/2017)	App. D 4.2.1(a); 58.13(e)(2)	NA	NA	
58.	One PM <sub>2.5</sub> monitor (by 1/1/2017)	App. D 4.7.1(b)(2); 58.13(f)(2)	NA	NA	
<b>SO<sub>2</sub> –SPECIFIC MONITORING REQUIREMENTS</b>					
59.	Minimum monitoring requirements for SO <sub>2</sub> based on PWEI and/or RA required monitors under Appendix D 4.4.3 [Note: Only monitors considered to be required SLAMs are eligible to be counted towards meeting minimum monitoring requirements.]	App D 4.4	Y, p. 28	Y	Please update next year's plan with the most recent population estimates.
60.	Monitors used to meet Data Requirements Rule (operational no later than January 1, 2017.)	51.1203(c)	NA	NA	
<b>NCORE –SPECIFIC MONITORING REQUIREMENTS</b>					
61.	NCore site and all required parameters operational: year-round O <sub>3</sub> , SO <sub>2</sub> , CO, NO <sub>y</sub> , NO, PM <sub>2.5</sub> mass, PM <sub>2.5</sub> continuous, PM <sub>2.5</sub> speciation, PM <sub>10-2.5</sub> mass, resultant wind speed at 10m, resultant wind direction at 10m, ambient temperature, relative humidity. NO <sub>y</sub> waiver, if applicable.	App. D 3(b)	Y, p. 18 Appendix B	Y	
<b>SITE OR MONITOR - SPECIFIC REQUIREMENTS (OFTEN INCLUDED IN DETAILED SITE INFORMATION TABLES)</b>					
62.	AQS site identification number for each site	58.10 (b)(1)	Y, p. 4	Y	



	<b>ANP requirement</b>	<b>Citation within 40 CFR 58<sup>1</sup></b>	<b>Was the information submitted?<sup>2</sup> If yes, page #s.</b>	<b>Does the information provided<sup>3</sup> meet the requirement?<sup>4</sup></b>	<b>Notes</b>
			Appendix B		
63.	Location of each site: street address and geographic coordinates	58.10 (b)(2)	Y, Appendix B	Y	
64.	MSA, CBSA, CSA or other area represented by the monitor	58.10 (b)(8)	Y, Appendix B	Y	
65.	Parameter occurrence code for each monitor	Needed to determine if other requirements (e.g., min # and collocation) are met	Y, Appendix B	Y	
66.	Basic monitoring objective for each monitor	App D 1.1; 58.10 (b)(6)	Y, Appendix B	Y	
67.	Site type for each monitor	App D 1.1.1	Y, Appendix B	Y	
68.	Monitor type for each monitor, and Network Affiliation(s) as appropriate	Needed to determine if other requirements (e.g., min # and collocation) are met	Y, Appendix B	Y	
69.	Scale of representativeness for each monitor as defined in Appendix D	58.10(b)(6); App D	Y, p.6 Appendix B	N, one instance	The Pomona O <sub>3</sub> monitor does not meet the requirements for neighborhood scale.
70.	Parameter code for each monitor	Needed to determine if other requirements (e.g., min # and	Y, Appendix B	Insufficient Info	Table 26 does not have parameter/method code pair for the Thermo 2025i PM <sub>2.5</sub> samplers.

	ANP requirement	Citation within 40 CFR 58 <sup>1</sup>	Was the information submitted? <sup>2</sup> If yes, page #s.	Does the information provided <sup>3</sup> meet the requirement? <sup>4</sup>	Notes
		collocation) are met			
71.	Method code and description (e.g., manufacturer & model) for each monitor	58.10 (b)(3); App C 2.4.1.2	Y, Appendix B	Insufficient Info	Detailed site information tables in Appendix D list multiple method codes for the same instrument. Each monitor should only be associated with one method code. For example, The Anderson RAAS PM <sub>2.5</sub> sampler has both 780 and 120 listed as the method code for PM <sub>2.5</sub> monitoring at a number of sites, but only 120 is a valid method code for PM <sub>2.5</sub> monitoring. Also, the Thermo 2025i PM <sub>2.5</sub> samplers have both 118 and 145 method codes listed. Please provide one method code for each sampler.
72.	Sampling start date for each monitor	Needed to determine if other requirements (e.g., min # and collocation) are met	Y, Appendix B	Y	
73.	Distance of monitor from nearest road	App E 6	Y, Appendix B	N, one instance	The O <sub>3</sub> monitor at Pomona is not meeting the distance to road requirement (7 m, 25,000 AADT) for a neighborhood scale site. This monitor should be changed to micro or middle scale and not be counted towards meeting minimum monitoring requirements.
74.	Traffic count of nearest road	App E	Y, Appendix B	Y	
75.	Groundcover	App E 3(a)	Y, Appendix B	Y	
76.	Probe height	App E 2	Y, Appendix B	Y	



	<b>ANP requirement</b>	<b>Citation within 40 CFR 58<sup>1</sup></b>	<b>Was the information submitted?<sup>2</sup> If yes, page #s.</b>	<b>Does the information provided<sup>3</sup> meet the requirement?<sup>4</sup></b>	<b>Notes</b>
77.	Distance from supporting structure (vertical and horizontal, if applicable, should be provided)	App E 2	Y, Appendix B	N, some instances	<p>The following PM<sub>2.5</sub> samplers have distances to supporting structure &lt;1.8 m:</p> <ul style="list-style-type: none"> <li>• Rubidoux POC 1 and POC 2</li> <li>• San Bernardino POC 1</li> </ul> <p>EPA recommends PM<sub>10</sub> monitors also have distances to supporting structures &gt;1.8 m and notes the following:</p> <ul style="list-style-type: none"> <li>• Fontana POC 2 (1.5 m)</li> <li>• Palm Springs POC 3 (1.7 m)</li> <li>• San Bernardino POC 2 (1.0 m), POC 3 (1.4 m)</li> <li>• Santa Clarita POC 1 (1.4 m)</li> </ul>
	Distance from obstructions on roof (horizontal distance to the obstruction and vertical height of the obstruction above the probe should be provided)	App E 4(b)	Y, Appendix B	Y	
78.	Distance from obstructions not on roof (horizontal distance to the obstruction and vertical height of the obstruction above the probe should be provided)	App E 4(a)	Y, Appendix B	Y	
79.	Distance from the drip line of closest tree(s)	App E 5	Y, Appendix B	N, some instances	La Habra and Pasadena have distance to trees <10 m
80.	Distance to furnace or incinerator flue	App E 3(b)	Y, Appendix B	Y	
81.	Unrestricted airflow (expressed as degrees around probe/inlet or percentage of monitoring path)	App E, 4(a) and 4(b)	Y, Appendix B	Y	
82.	Probe material (NO/NO <sub>2</sub> /NO <sub>y</sub> , SO <sub>2</sub> , O <sub>3</sub> ; For PAMS: VOCs, Carbonyls)	App E 9	Y, Appendix B	Y	
83.	Residence time (NO/NO <sub>2</sub> /NO <sub>y</sub> , SO <sub>2</sub> , O <sub>3</sub> ; For PAMS: VOCs, Carbonyls)	App E 9	Y, Appendix B	Y	



## Public Comments on Annual Network Plan

Were comments submitted to the S/L/T agency during the public comment period?	No
Were comments included in ANP submittal?	N/A
Were any of the comments substantive? If yes, which ones? If comments were not substantive provide rationale.	N/A
Were S/L/T responses to substantive comments included in ANP submittal?	N/A
Were the S/L/T responses to substantive comments adequate?	N/A
Do the substantive comments require separate EPA response (i.e., agency response wasn't adequate)?	N/A
Are the sections of the annual network plan that received substantive comments approvable after consideration of comments? If yes, provide rationale	N/A

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